	Application No.	Applicant(s)
Notice of Allowability	09/992,266	JAYAKUMAR ET AL.
	Examiner	Art Unit
	Warner Wong	2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *4/30/07*.

2. ☒ The allowed claim(s) is/are *1-40*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

   1. ☐ Certified copies of the priority documents have been received.

   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

   1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
   Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with James Henry (Reg. No. 41,064) on April 30, 2007 and follow-up emails.

Claims 1, 6, 11 and 16 are amended as follows:

Claim 1: A method, comprising:

receiving an Asynchronous Transfer Mode (ATM) Adaptation Layer 5 (AAL5)

Common Part Convergence Sublayer-Service Data Unit (CPCS-SDU) at a router;

encapsulating the AAL5 CPCS-SDU into an AAL5 enhanced packet at the router;

generating an Multi-protocol Label Switching (MPLS) packet from the AAL5

enhanced packet, wherein the AAL5 enhanced packet comprised an ATM header and a

control word, the control word comprising a transport type bit to properly identify

whether the MPLS packet contains an ATM cell or an AAL5 CPCS-SDU; and

routing the MPLS packet over an MPLS network,

Claim 6: A method comprising:

receiving an MPLS packet at a router;

decapsulating the MPLS packet when the MPLS packet is an AAL5 enhanced

packet;

producing an AAL5 CPCS-SDU from the AAL5 enhanced packet, wherein the

AAL5 enhanced packet comprises an ATM header and a control word, the control word

comprising a transport type bit to properly identify whether the MPLS packet contains an

ATM cell or an·AAL5 CPCS-SDU.

Claim 11: A computer readable medium having stored thereon a plurality of

instructions, said plurality of instruction when executed by a computer, cause the

computer to perform:

receiving an AAL5 CPCS-SDU at a router;

encapsulating the AAL5 CPCS-SDU into an AAL5 enhanced packet at the router;

generating an MPLS packet from the AAL5 enhanced packet, wherein the AAL5

enhanced packet comprises an ATM header and a control word, the control word

comprising a transport type bit to properly identify whether the MPLS packet contains an

ATM cell or an AAL5 CPCS-SDU; and

routing the MPLS packet over an MPLS network.

Claim 16: A computer readable medium having stored thereon a plurality of

instructions said plurality of instructions when executed by a computer, cause said

computer to perform:

receiving an MPLS packet at a router;

decapsulating the MPLS packet when the MPLS packet is an AAL5 enhanced

packet;

producing an AAL5 CPCS-SDU from the AAL5 enhanced packet, wherein the

AAL5 enhanced packet comprises an ATM header and a control word, the control word

comprising a transport type bit to properly identify whether the MPLS packet contains an

ATM cell or an AAL5 CPCS-SDU.

Allowable Subject Matter

2.   The following is an examiner's statement of reasons for allowance:

The present invention is directed to a router which encapsulates an ATM AAL5

CPCS-SDU into an MPLS packet. Each of independent claims 1, 6, 11 and 16 has

been modified to identify the uniquely distinct feature: "a control word comprising a

transport type bit to indicate that the MPLS packet comprises an AAL5 CPCS-SDU",

where the control word is NOT part the ATM header.

The closest prior art, Ashwood-Smith, US 20050008020, discloses another

modification of encapsulation of ATM AAL5 cells for transmission over MPLS, either

singularly or in combination, fail to anticipate or render the above features obvious.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

3.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure: Sanzi (US 6,477,166) describing a method and system for an

MPLS network and an ATM network.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Warner Wong whose telephone number is 571-272-

8197. The examiner can normally be reached on 6:30AM - 3:00PM, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kwang Yao can be reached on 571-272-3182. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KWANG BIN YAO   Warner Wong
SUPERVISORY PATENT EXAMINER   Examiner
                                       Art Unit 2616